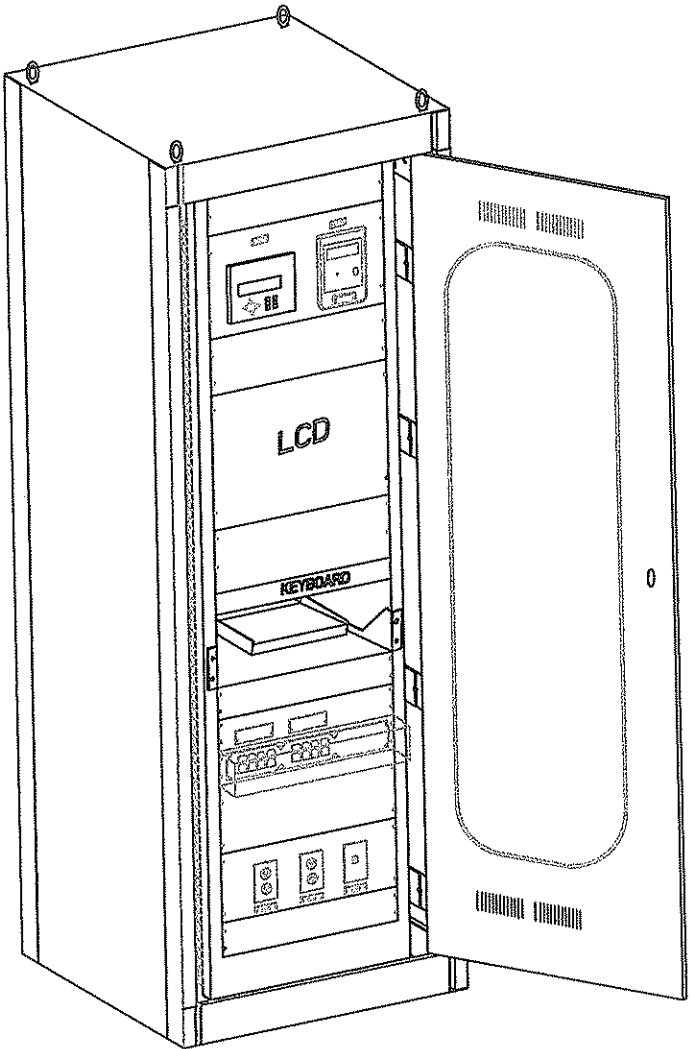


PANEL SPECIFICATIONS :

1. THE PANEL IS MADE OF 2MM THICKNESS STEEL SHEET INCLUDING THE DOORS.
2. PANEL'S BOTTOM COVERED BY THREE PLATES EACH FABRICATED FROM 3MM THICKNESS STEEL SHEET.
3. THE PANEL IS POWDER COATED BY RAL 7038 FROM OUTSIDE AND RAL 9003 FROM INSIDE.
4. THE PANEL IS FABRICATED ACCORDING TO CLAUSE NO. 4.1 OF 31-TMSS-01.

DESCRIPTION

DCU PANEL, ONE POWER QUALITY WITH RELAY AND ONE REVENUE METER WITHOUT RELAY, 3P4W ADDAD 1(6)A,



NOTES

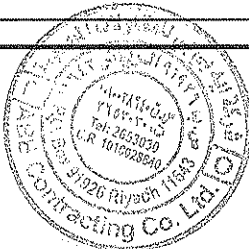
1. ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE NOTED.
2. PANEL IS CONSTRUCTED ACCORDING TO 31-TMSS-01.
3. THE PANEL IS POWDER COATED BY RAL 7038 FROM OUTSIDE AND RAL 9003 FROM INSIDE.

LEGEND

GA : GENERAL ASSEMBLY  
LA : LIST OF APPARATUS  
RM : REVENUE METER

REFERENCE DRAWINGS

DRAWING TITLE	DRAWING NO.
DRAWING CONTROL SHEET	CD-320880



AS-BUILT BY \_\_\_\_\_ DATE \_\_\_\_\_

REV. NO.	DATE	BY	DESCRIPTION	CHKD.	CERT.	APPD.
0	12/01	AM	DETAIL DESIGN	AM	AS	

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Saudi Electricity Company

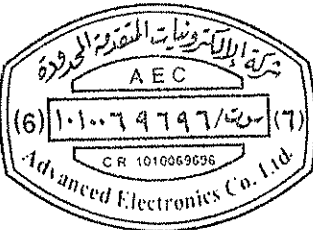
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OPR'D. DEPT.: \_\_\_\_\_ ENG. DEPT.: \_\_\_\_\_

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APPROVAL/CERTIFICATION INFORMATION  
DOC NO. E-123456 REV NO. 00

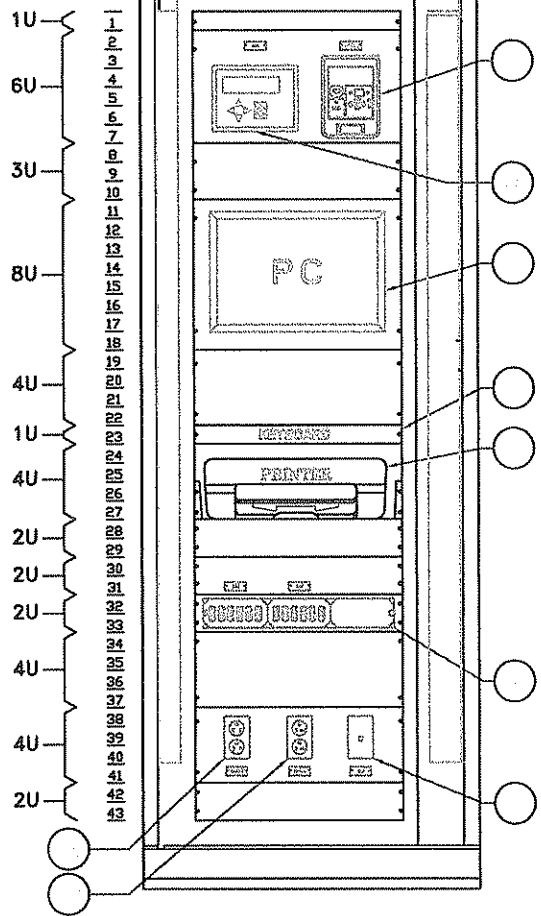
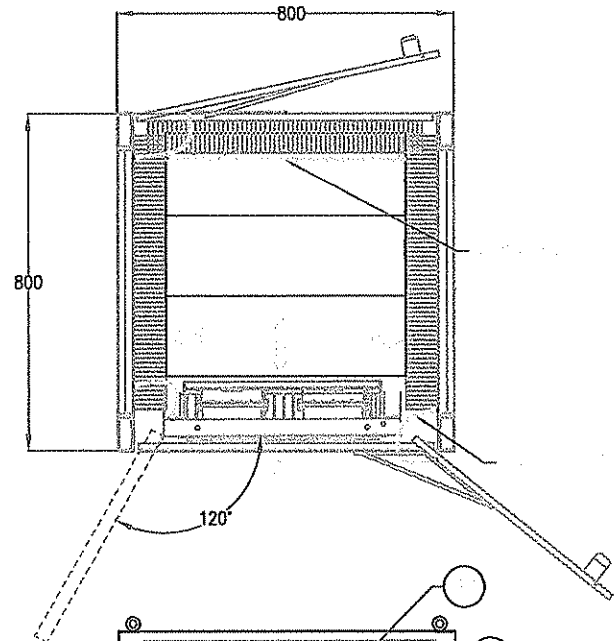
8/S 8162, GA AND LA DRAWING  
DCU PANEL, 1 PQ WITH RELAY AND 1 RM  
WITHOUT RELAY, 3P4W ADDAD

RIYADH SAUDI ARABIA

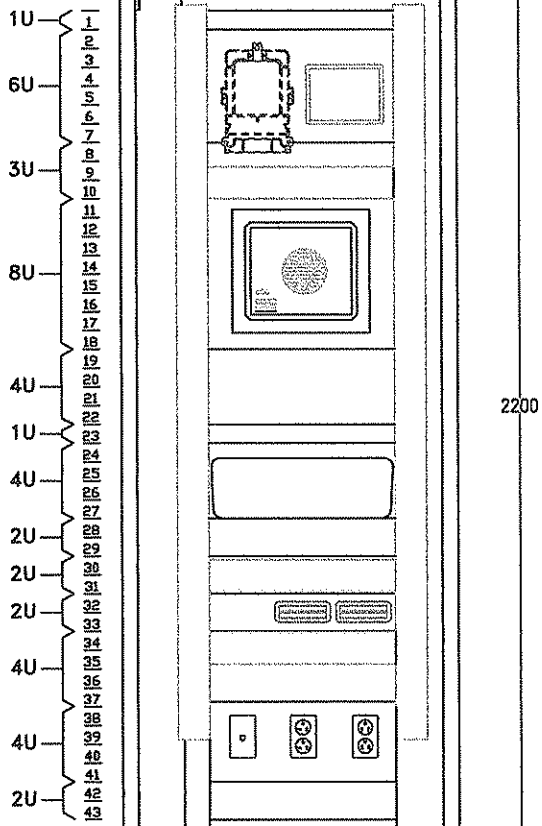
JOB ORDER NO.	INDEX	PLANT NO.	DRAWING NUMBER	SHEET NO.	REV. NO.
1113113/00	A	C469	CD-320882	01 of 04	00



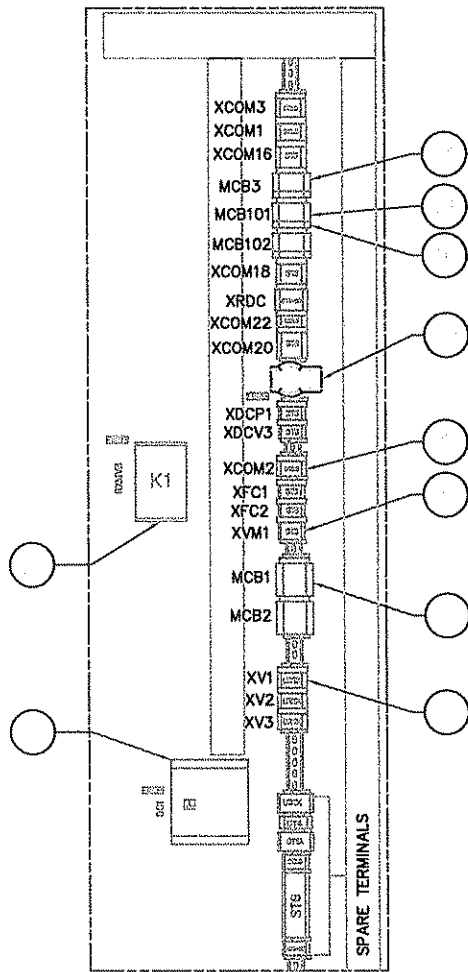
MANUFACTURER NAME	DRAWING NO.	SHEET NO.	REV. NO.
AEC	CD-320882	01 OF 04	00



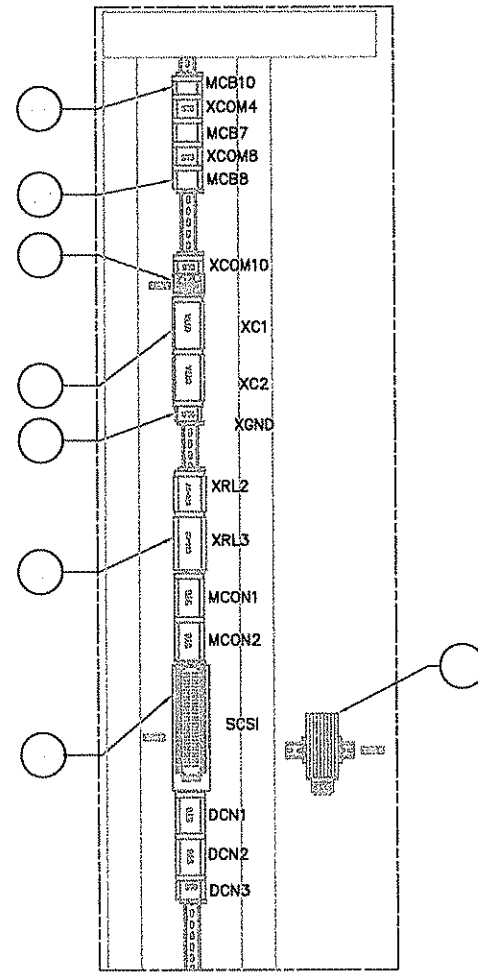
FRONT VIEW OPEN DOOR  
PLAN-A



PLAN-B



PANEL INTERIOR BASE LEVEL  
PLAN-C



PANEL INTERIOR BASE LEVEL  
PLAN-D

NOTES

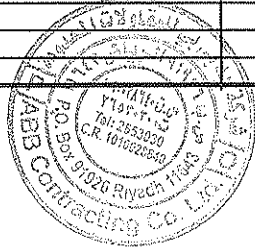
1. ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE NOTED.
2. PANEL IS CONSTRUCTED ACCORDING TO 31-TMSS-01.
3. LIMIT SWITCH LOCATION IS CHANGEABLE ACCORDING TO PANEL MANUFACTURER STANDARD.
4. GLASS SHEET THICKNESS: 5MM
5. GROUND BUS CROSS SECTION: 5MM X 30MM
6. COPPER BRAID SIZE: 12MM SQ.

LEGEND

GA : GENERAL ASSEMBLY  
LA : LIST OF APPARATUS  
RM : REVENUE METER

REFERENCE DRAWINGS

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DRAWING CONTROL SHEET	CD-320880



AS-BUILT BY \_\_\_\_\_ DATE \_\_\_\_\_

REV. NO.	DATE	BY	DESCRIPTION	CHD.	CERT.	APPD.
0	12/01	AM	DETAIL DESIGN	AM	AS	

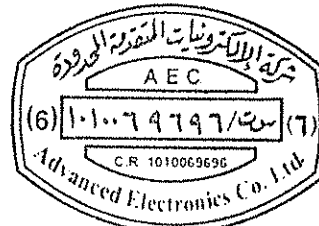
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Saudi Electricity Company

DRAWN BY: AM CHECKED BY: AS SCALE: NONE  
DATE STARTED: \_\_\_\_\_ DATE COMPLETED: \_\_\_\_\_  
PRG. DEPT.: \_\_\_\_\_ ENG. DEPT.: \_\_\_\_\_

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APPROVAL/CERTIFICATION INFORMATION  
DOC NO. E-123456 REV. NO. 00

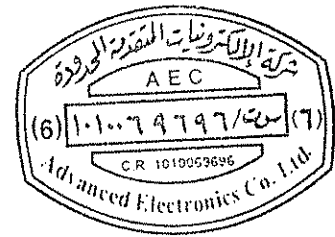
8/S 8162, GA AND LA DRAWING  
DCU PANEL, 1 PO WITH RELAY AND 1 RM  
WITHOUT RELAY, 3P4W ADDAD

RIYADH SAUDI ARABIA  
JOB ORDER NO. 1113113/00  
INDEX A PLANT NO. C469  
DRAWING NUMBER CD-320882  
SHEET NO. REV. NO. 02 OF 04 00



PARTS LIST					
QTY	CAGE CODE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPECIFICATION	ITEM
1	SE455	900-003524	ADDAD-4 CLO.2S , TOP ASSEMBLY, RS485 1(6)A	AEC, RIYADH	1
1		FR2HD14014000N	FT-SWITCH KIT, 2	ABB RIYADH, KIT OF 2 FT-SWITCH, WITH SCREWS, COVER AND MOUNTING PLATE 2U	2
1		HFR1124/4-125/250	DC/DC CONVERTER	C~CAN,	3
100		3031487	SPRING -CAGE FEED-THROUGH MODULAR TERMINAL BLOCK, ST6	PHOENIX	4
22		3031212	SPRING -CAGE FEED-THROUGH MODULAR TERMINAL BLOCK, ST2.5	PHOENIX	5
33		3046139	DISCONNECT TYPE SCREW CONNECTION FEED-THROUGH MODULAR TERMINAL BLOCK UT4-MT.	PHOENIX	6
22		0790462	DISCONNECT TYPE TERMINAL BLOCK OTTA 6-T-P/P	PHOENIX	7
3		3044102	SCREW CONNECTION TYPE FEED-THROUGH MODULAR TB UT4	PHOENIX	8
14		0309086	DISCONNECT TYPE TERMINAL BLOCK URTK/S-BEN	PHOENIX	9
1		ADAM-4520-D2E	ISOLATED RS485 TO RS232 CONVERTER	ADVANTCH; C3 AUTOMATION	10
2		25007	AC MCB, 3P4P 1A	SCHNEIDER, C60H, C CURVE, THREE PHASE 4 POLE, 1A	11
2		25855	AC MCB, 1P2P 6A	SCHNEIDER, C60H, B CURVE, SINGLE PHASE 2 POLE, 6A	12
1		25640	AC MCB, 1P1P 2A	SCHNEIDER, C60H, C CURVE, SINGLE PHASE 1 POLE, 2A	13
1		MGN61523	DC MCB, 2P 3A	SCHNEIDER, C60H, C CURVE, 2 POLE DC MCB, 3A	14
2		MGN61521	DC MCB, 2P 1A	SCHNEIDER, C32H, U CURVE, 2 POLE DC MCB, 1A	15
3		26924	AUXILIARY CONTACT, TYPE "OF"	SCHNEIDER,	16
1		01140.0-00	THERMOSTAT KTO 011, 0-60°C	STEGO, THERMOSTAT KTO 011, 0-60°C NORMALLY CLOSED AND CLIP FOR 35MM DIN RAIL	17
1		06020.0-00	ANTI CONDENSATION HEATER	STEGO, CS 060 SERIES, 150 WATT, 120-240 VAC	18
1		PCI1753-IO-CAB(AEC)	PCI-1753-BE CARD	C3 AUTOMATION, WITH TERMINAL BOARD AND CABLE	19
1		KBD-6312	KEYBOARD WITH DRAWER	ADVANTECH	20
1		APC-3515	INDUSTRIAL PANEL PC MODEL APC-3515	APLEX TECH, 15" LCD, COXE 2 DUO T5450, 1.6GHZ, 1 GB DRAM DUJAL 10/100 MBPS LAN, 2 COM, 4 USB 2.0 PORTS, IPE 5, FRONT PANEL, STD BEZEL WITH CD ROM, 80 GB HARD DRIVE	21
1		D2663	HP D2663 DESKJET PRINTER	HP, DESKJET D2663COLOUR INKJET PRINTER, 150 WATT, 120-240 VAC	22
1		5822-I	DUPLEX RECEPTACLES 220VAC	SANA, RIYADH, 2POLE, 3WIRE, 20A 220V, IVORY.	23
1		3232-I	DUPLEX RECEPTACLES 110VAC	SANA, RIYADH, 2POLE, 3WIRE, 15A 127V, IVORY.	24
1		TPTE1-I	TELEPHONE JACK	SANA, RIYADH, RJ11, TELEPHONE JACK WALL PLATE	25
1		0734P09H1D1316 EXX6D2A	POWER QUALITY, SEL 734P	SEL, BAHRAIN, POWER QUALITY METER CL 0.2, 1A ALTERNATIVE P/N (0734P19H1D1316EXX6D2A)	26
1		RK 251 204-AP	BI-STABLE RELAY RXMVB2	ABB, RXMVB2, DC RATED VOLTAGE 125V	27
1		1X20 MODEL 2004 ELECTRONE OR 60620	LAMP 127VAC OR 220VAC	ALRAED, FLUORESCENT LAMP, 20W, 60HZ. 127VAC OR 220VAC PANEL LAMP -230VAC, 50Hz	28
2		Z15G1307 OR A27310	LIMIT SWITCH	HIGHLY LIMIT SWITCH 15A 125/220 VAC LIMIT SWITCH WITH 10A 250V AC MAX	29

MANUFACTURER NAME		
AEC		
DRAWING NO.	SHEET NO.	REV NO.
CD-320882	03 OF 04	00



JOB ORDER NO.	INDEX	PLANT NO.	DRAWING NUMBER	SHEET NO.	REV. NO.
1113113/00	A	C469	CD-320882	03 OF 04	00

JOB ORDER NO.	11131113/00	INDEX	A	PLANT NO.	C469	ORATING NO.	CD-320882	SHEET NO.	04 OF 04	REV NO.	00
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ADVANCED ELECTRONICS COMPANY  
2011 SAUDI ARABIA-RIYADH

AMR-SYSTEM  
DCU PANEL  
SEC CONTRACT NO. 11131113/00  
31-TMSS-01, REV. 0

120  
50  
1 POWER QUALITY METER  
WITH CHANGEOVER CONTACT  
& 1 REVENUE METER  
WITHOUT CHANGEOVER CONTACT  
S/N:

#### NOTES

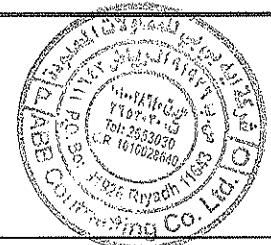
1. ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE NOTED.
2. PANEL IS CONSTRUCTED ACCORDING TO 31-TMSS-01.
3. NAME PLATES MATERIAL : STAINLESS STEEL

#### LEGEND

GA : GENERAL ASSEMBLY  
LA : LIST OF APPARATUS  
RM : REVENUE METER

#### REFERENCE DRAWINGS

DRAWING TITLE	DRAWING NO.
DRAWING CONTROL SHEET	CD-320880



AS-BUILT BY \_\_\_\_\_ DATE \_\_\_\_\_

REV. NO.	DATE	BY	DESCRIPTION	CHKD.	CERT.	APPD.
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Saudi Electricity Company

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DATE STARTED \_\_\_\_\_ DATE COMPLETED \_\_\_\_\_  
OPR'D. DEPT. \_\_\_\_\_ ENG. DEPT. \_\_\_\_\_

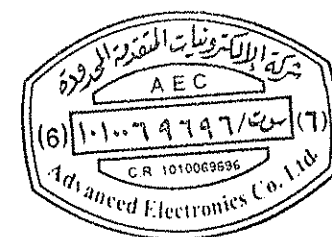
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S/S 8162, GA AND LA DRAWING  
DCU PANEL, 1 PQ WITH RELAY AND 1 RM  
WITHOUT RELAY, 3P4W ADDAD

RIYADH SAUDI ARABIA

JOB ORDER NO.	INDEX	PLANT NO.	DRAWING NUMBER	SHEET NO.	REV. NO.
11131113/00	A	C469	CD-320882	04 OF 04	00

MANUFACTURER NAME	DRAWING NO.	SHEET NO.	REV. NO.
AEC	CD-320882	04 OF 04	00



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